

FIG. 1

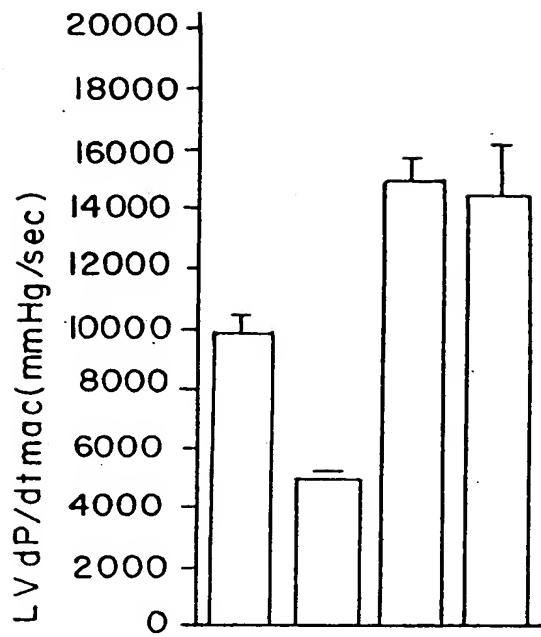


FIG. 2a

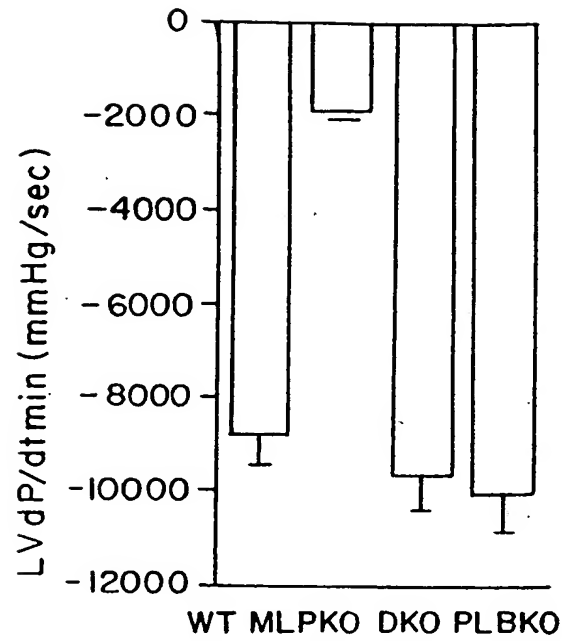


FIG. 2b

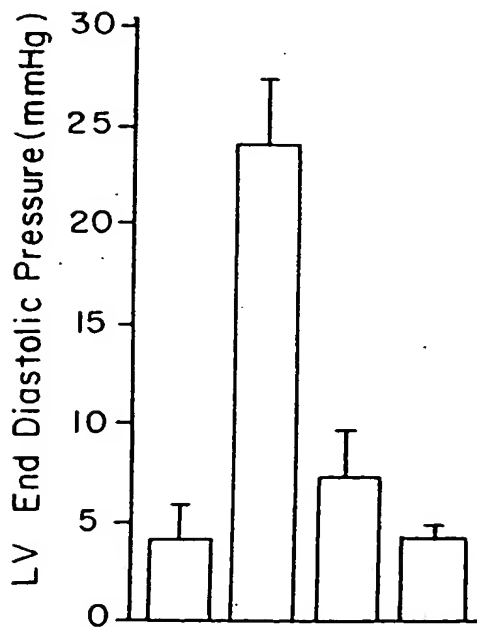


FIG. 2c

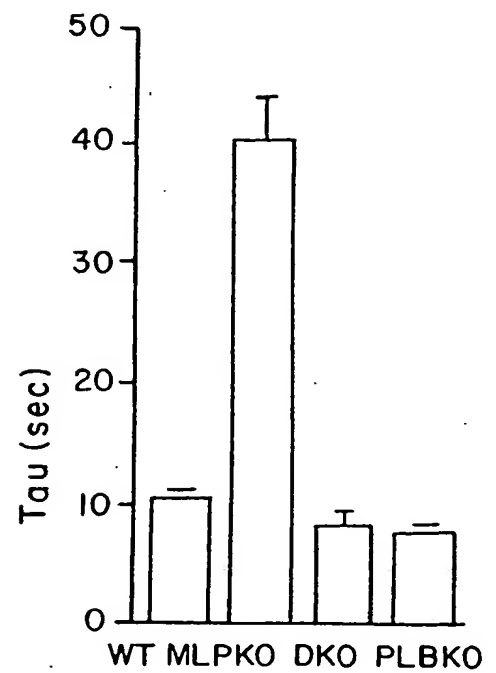


FIG. 2d

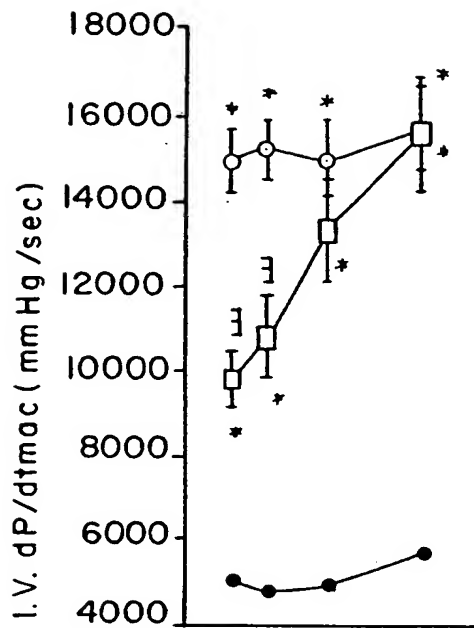


FIG. 2e

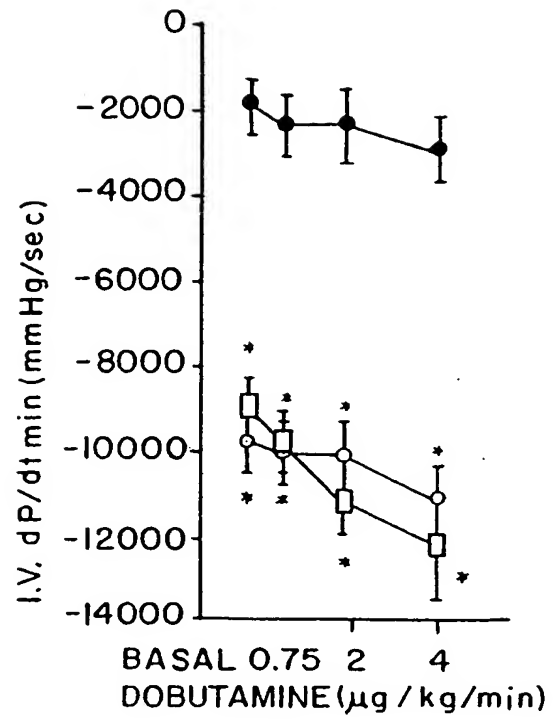


FIG. 2f

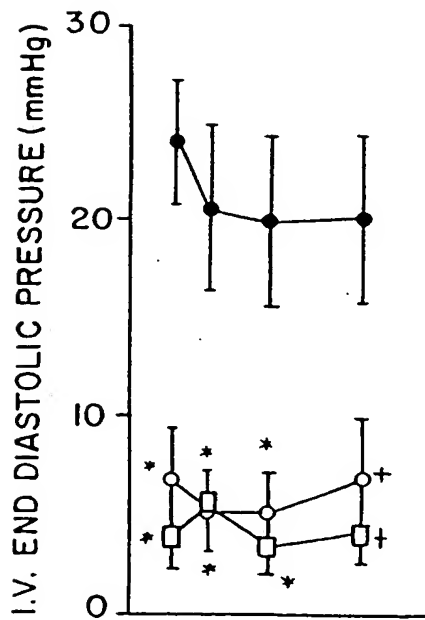


FIG. 2g

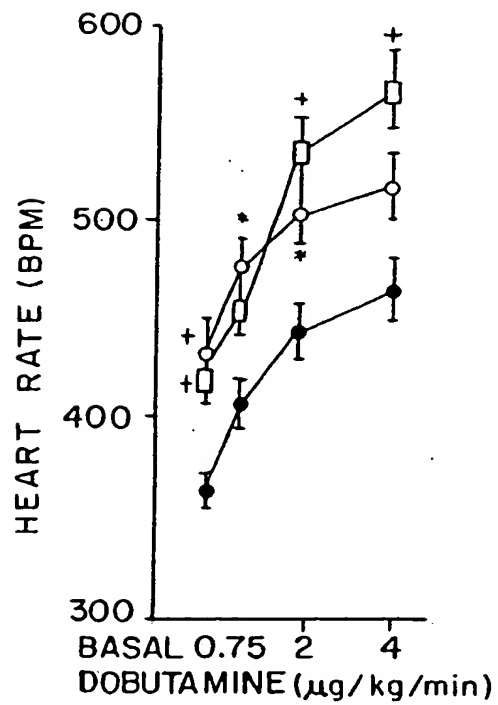


FIG. 2h

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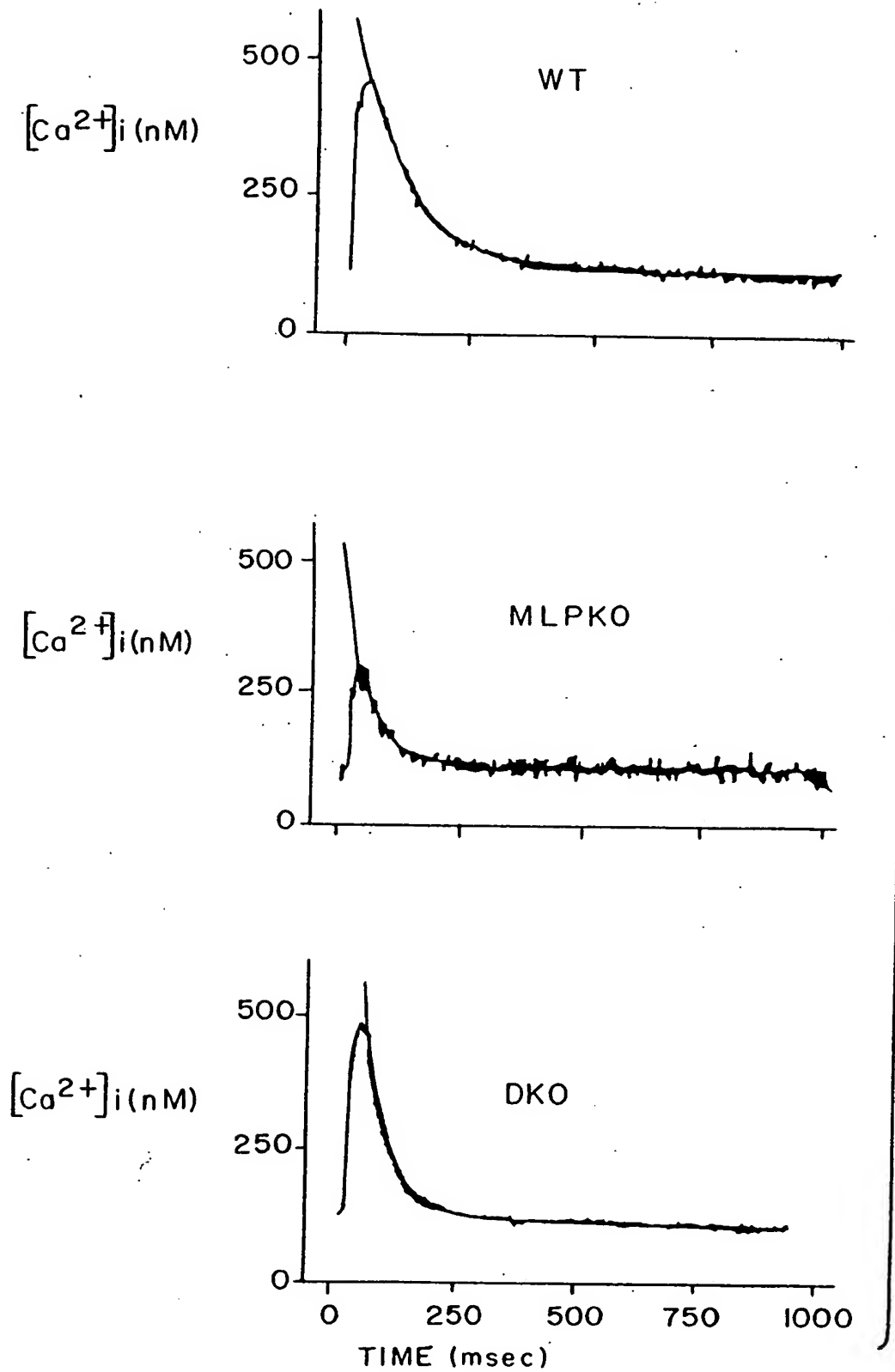


FIG. 3a

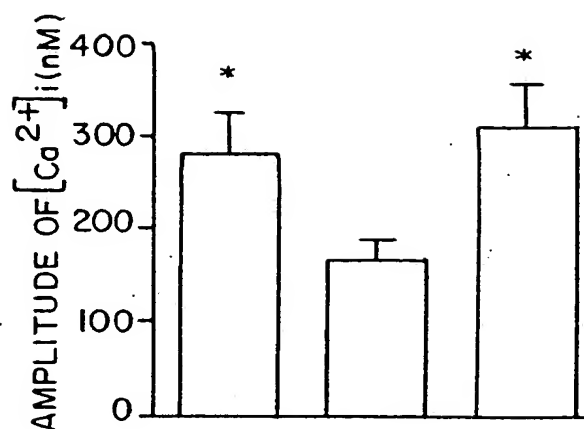


FIG. 3b

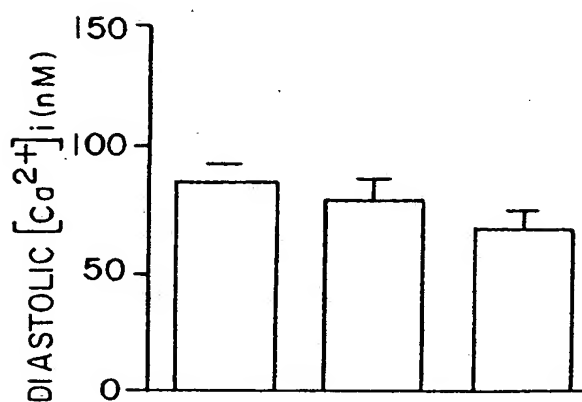


FIG. 3c

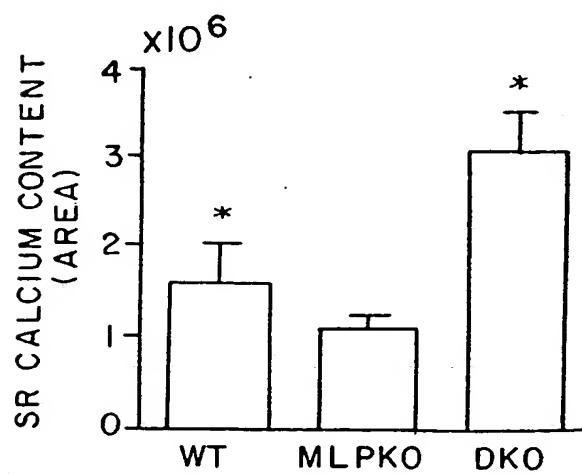


FIG. 3d

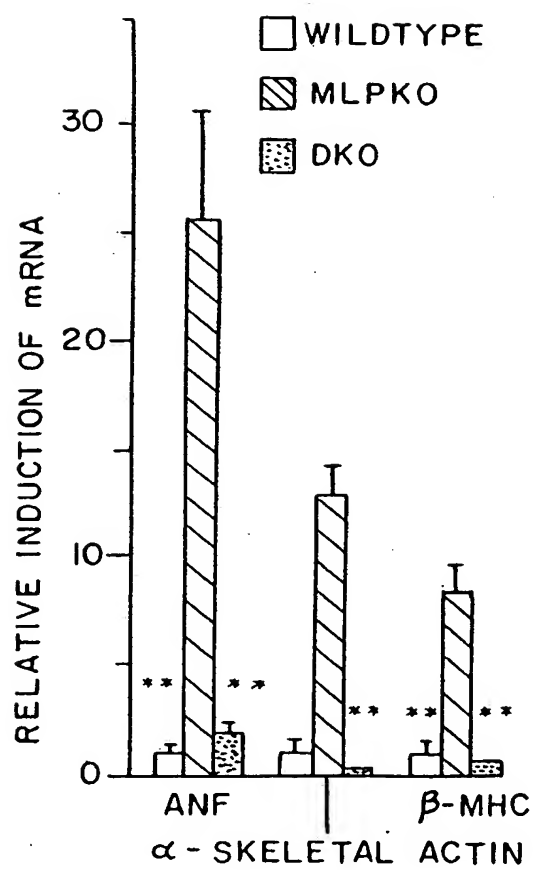


FIG. 4b



FIG. 3e

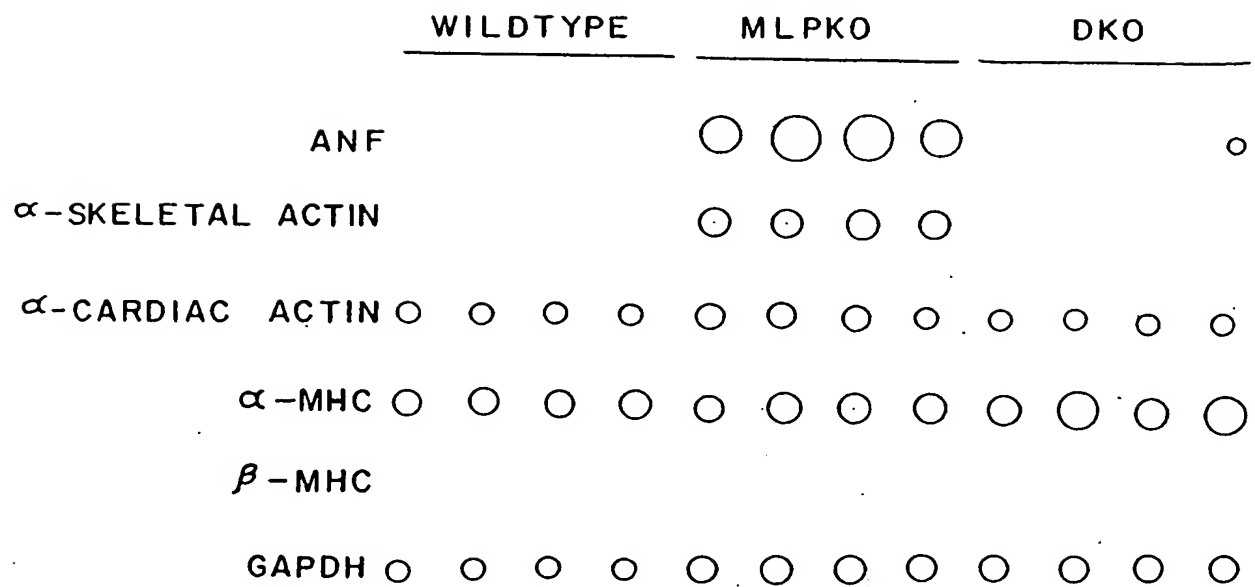


FIG. 4a

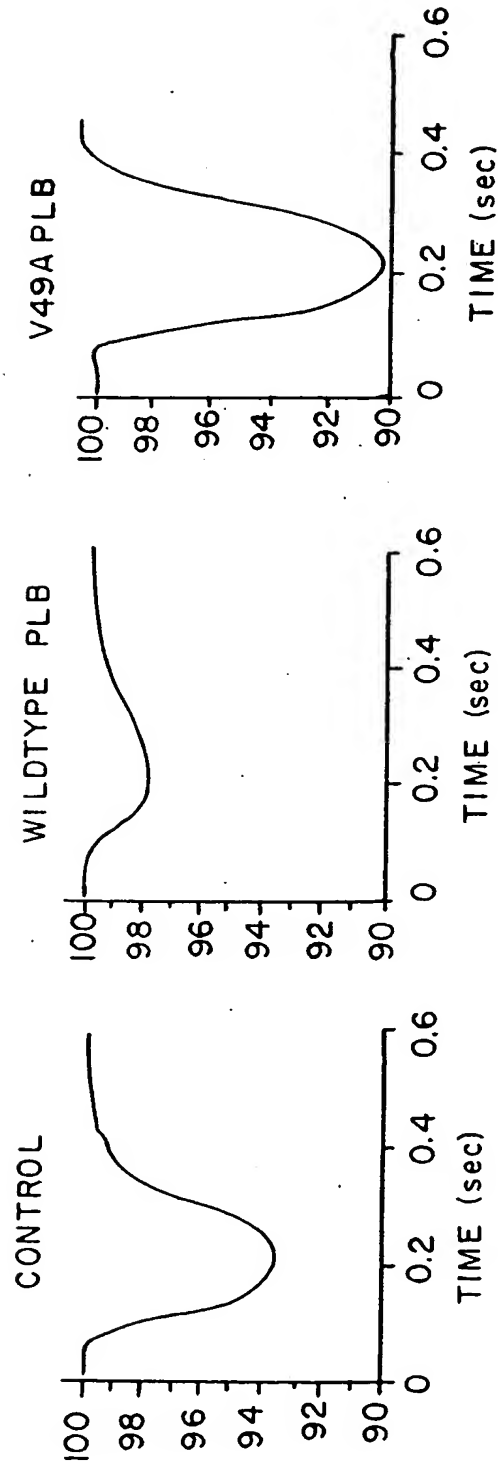


FIG. 5a

	CONTROL n = 7	WILDTYPE PLB n = 3	V49A MUTANT PLB n = 4
SHORTENING %	7.20	3.50	11.45
-dL/dt (mm)	88.4	48.4	150.3
+dL/dt (mm)	56.6	28.1	116.5
CELL LENGTH(μm)	104.5	109.2	108.7
	0.60	0.24 *	0.88 **
	10.3	5.9 *	9.6 **†
	6.5	6.4 †	13.5 **†
	3.1	3.9	3.3

FIG. 5b

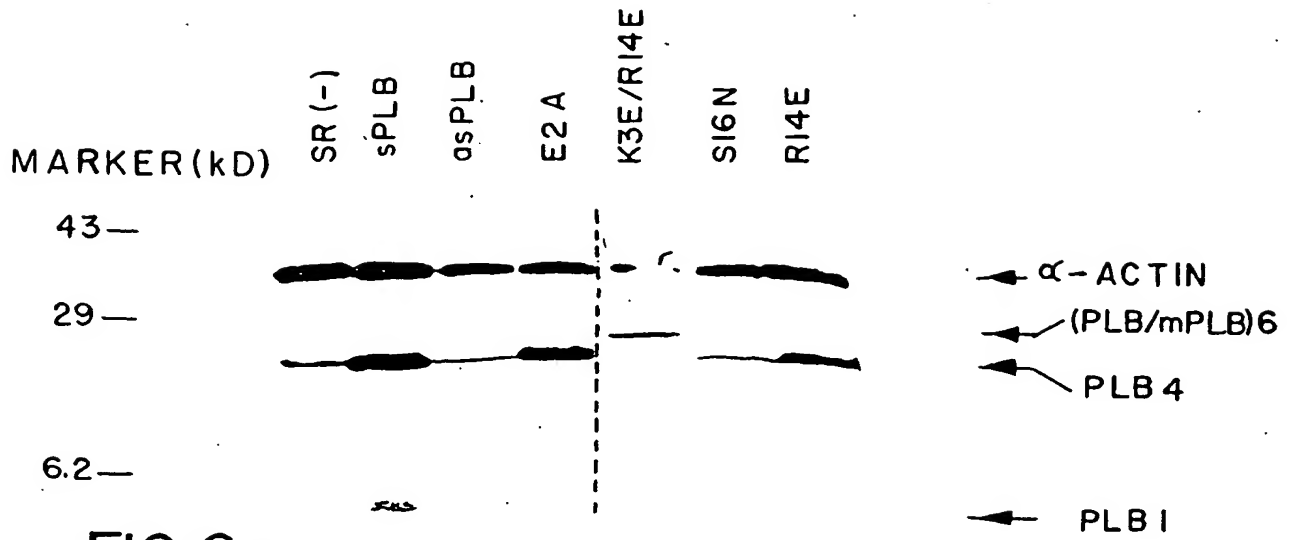


FIG. 6a

FIG. 6b

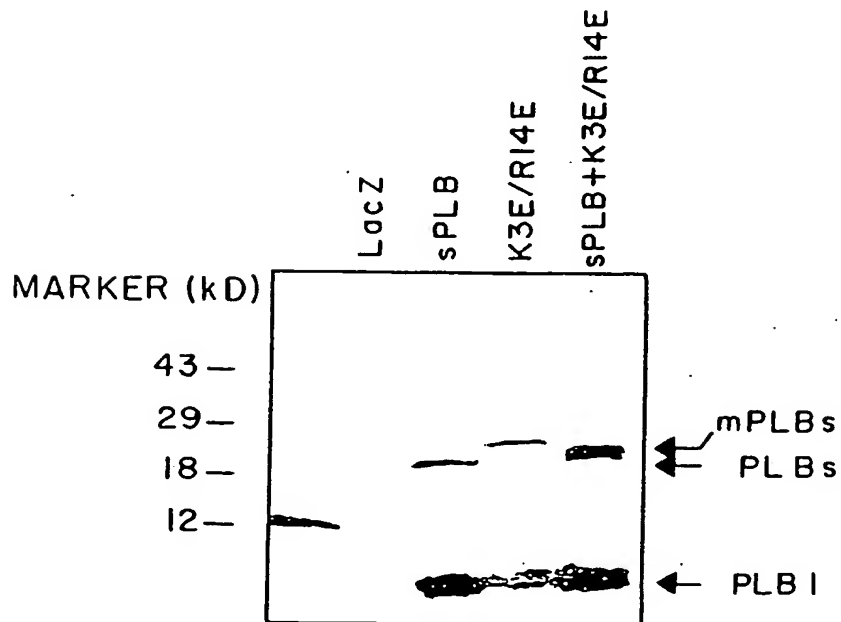
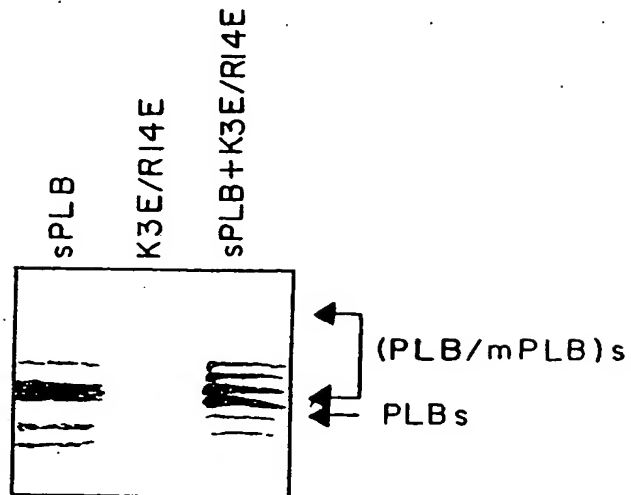


FIG. 6c

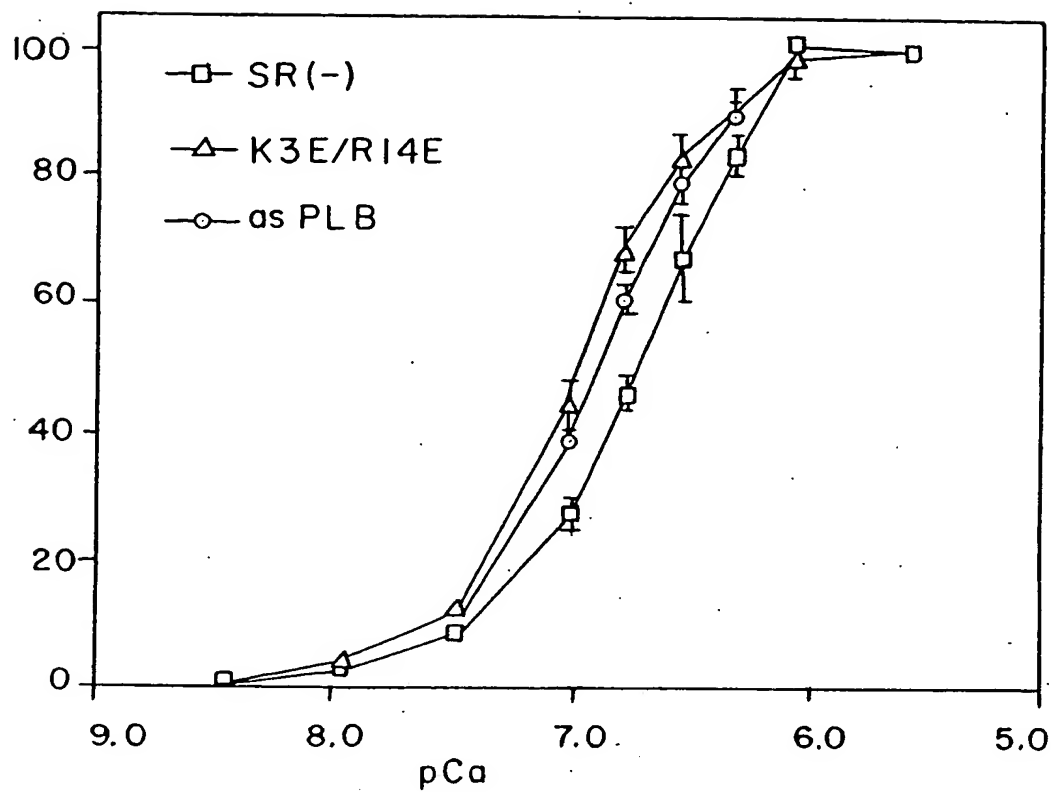


FIG. 7

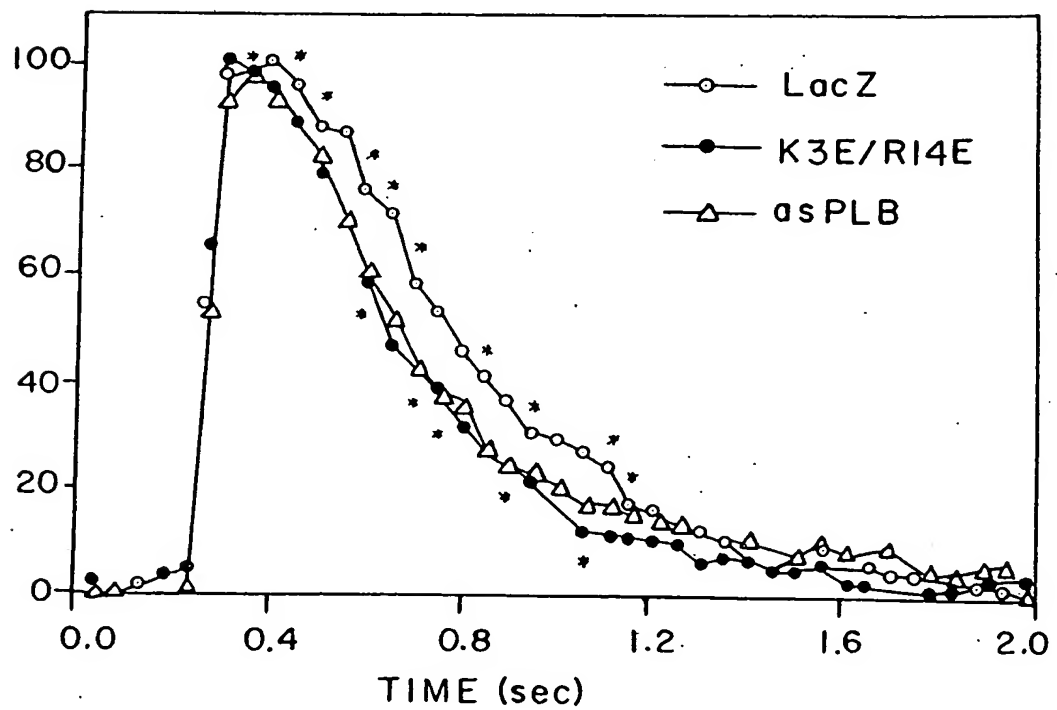


FIG. 8